

COMBINING MULTIPLE SPECTRAL BANDS TO GENERATE AN IMAGE

ABSTRACT OF THE DISCLOSURE

Generating an image includes receiving light associated with spectral bands. The following are repeated for each spectral band: an electrical signal is received at an electro-optical element, an optical property of the electro-optical element is changed in response to the electrical signal to filter for a spectral band, and the spectral band is transmitted to a sensor. The spectral bands are sensed at the sensor. The spectral bands are combined to generate a composite signal, and an image is generated from the composite signal.